

tional Application No PCT/EP2004/051159

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/00 H01L21/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

| . DOCUM | ENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|--|---|--|
| Category ° | Citation of document, with indication, where appropriate, of | Relevant to claim No. | | |
| A | US 4 401 131 A (LAWSON ROBERT 30 August 1983 (1983-08-30) column 2 - column 3; figures abstract | 1,18,22, | | |
| A | US 2002/162570 A1 (CAVAZZA GI) 7 November 2002 (2002-11-07) paragraph '0022! - paragraph figures 1-3 | 1,18,22, 32 | | |
| A | DE 196 29 705 A (SCHEERER JOAC GRUETZEDIEK HARTMUT DR (DE)) 29 January 1998 (1998-01-29) abstract column 5 - column 7; figures | | 1,18,22, 32 | |
| | er documents are listed in the continuation of box C. | Patent family members are liste | d in annex. | |
| A' documer conside filing da documer which is citation of documer other m documer later the | nt defining the general state of the art which is not pered to be of particular relevance ocument but published on or after the international atte. If which may throw doubts on priority chaim(s) or socied to establish the publication date of another or other special reason (as specified) in referring to an oral disclosure, use, exhibition or neans. If published prior to the international filing date but an the priority date claimed. | "X" document of particular relevance; the cannot be considered novel or can involve an inventive step when the "Y" document of particular relevance; the cannot be considered to involve an document of particular relevance; the cannot be considered to involve an document is combined with one or ments, such combination being obvin the art. | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled | |
| | clual completion of the international search | Date of mailing of the international s | earch report | |
| | September 2004 | 29/09/2004 | | |
| ame and m | alling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Paisdor, B | | |



Interponal Application No PCT/EP2004/051159

| C.(Continu | ation) DOCUMENTS CONSIDERED TO BE RELEVANT | PCT/EP2004/051159 |) | | | |
|------------|---|-------------------|--------------|--|--|--|
| Category ° | gory * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. | | | | | |
| | | Relevant to c | alm No. | | | |
| | US 5 979 475 A (OKA HITOSHI ET AL) 9 November 1999 (1999-11-09) cited in the application abstract; figures 1A,1B,3A,3B,5A,5B,8A,8B,18,20,21 column 10 - column 12 | 1,18 | 3,22, | | | |
| | | | | | | |
| | | | | | | |
| 1 | | · | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | • | | | | | |
| | | | | | | |
| { | | | | | | |
| | | | | | | |
| } | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | · | | | | | |
| | | | | | | |
| | | | | | | |
| | · | | | | | |
| /ISA/210 / | ontinuation of second sheet) (January 2004) | | | | | |

INTERNATIONAL SEARCH REPORT

Information on patent family members

onal Application No PCT/EP2004/051159

| Patent document cited in search report | 1 | Publication | 1 | | |
|---|----|-------------|----------------------------------|--|--|
| | | date | | Patent family member(s) | Publication date |
| US 4401131 | A | 30-08-1983 | DE FR GB JP JP NL | 3217891 A1 2505673 A1 2099951 A ,B 3022691 B 58025237 A 8201938 A | 02-12-1982 19-11-1982 15-12-1982 27-03-1991 15-02-1983 01-12-1982 |
| US 2002162570 | A1 | 07-11-2002 | FR EP WO JP | 2808120 A1 1152457 A1 0182340 A1 2003532287 T | 26-10-2001 07-11-2001 01-11-2001 28-10-2003 |
| DE 19629705 | A | 29-01-1998 | DE US | 19629705 A1 6021785 A | 29-01-1998 08-02-2000 |
| US 5979475 | A | 09-11-1999 | JP | 8264626 A | 11-10-1996 |